

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

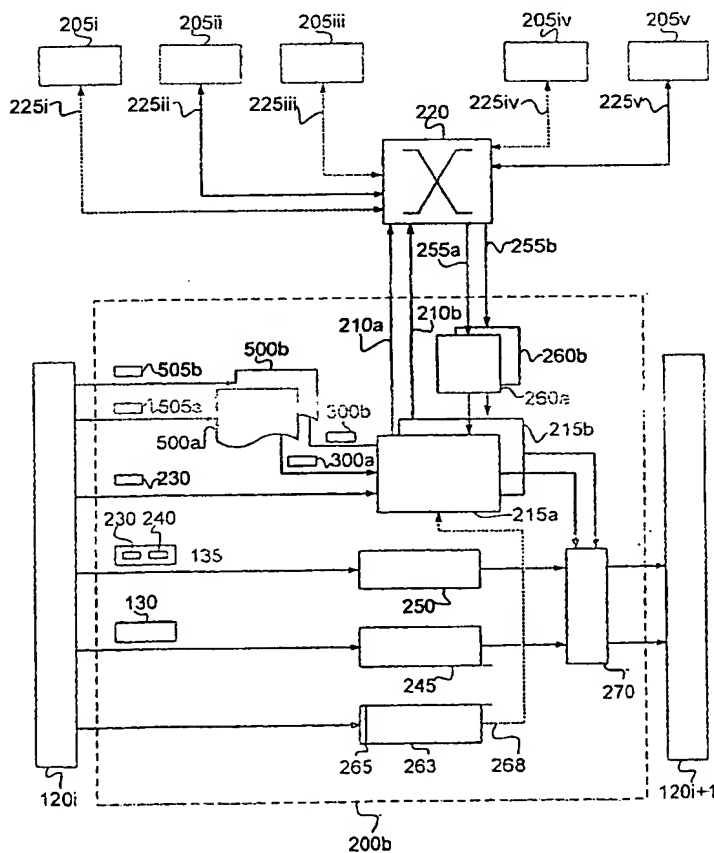
PCT

(10) International Publication Number
WO 2004/010288 A1

- (51) International Patent Classification⁷: **G06F 9/38**,
15/76, 12/00
- (21) International Application Number:
PCT/SE2003/001197
- (22) International Filing Date: 9 July 2003 (09.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0202276-2 19 July 2002 (19.07.2002) SE
60/398,756 5 September 2002 (05.09.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PIPELINED PROCESSING OF DATA PACKETS



(57) Abstract: The present invention relates to a method and apparatus for pipelined processing of data packets. A pipeline in a processor comprises an access point providing simultaneous access to one or more devices, said devices mainly for data processing operations not provided by the pipeline. The access point comprises at least one FIFO store for storing data entering the access point, a response FIFO store for storing responses received from the device(s), and a synchronisation mechanism adapted to synchronise the fetching of the first entry in the FIFO store(s) and the first entry in the response FIFO store. The synchronisation mechanism could advantageously be a fixed time delay mechanism. When the fixed time initiated by the fixed time delay mechanism has elapsed, the first response in the response FIFO store is merged into the data stored in the first entry in the FIFO store(s) for storing data entering the access point.

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